

What is claimed is:

1. A system for controlling a mobile telephone, comprising:
a mode manager for managing switching of the system between a first mode utilizing a
5 first air interface standard supported by a first protocol stack and a second mode
utilizing a second air interface standard supported by a second protocol stack;
TDMA
a user interface for communicating information and commands between the first and
second protocol stacks and a user for controlling the mobile telephone; and
an application layer for reducing functional interface between the first and second
10 protocol stacks to layers of the first and second protocol stacks subsequent to the
user interface,
wherein control of the mobile telephone is provided via a single man machine interface
that is substantially consistent across the first and second modes.
- 15 2. The system as claimed in claim 1, wherein the mode manager further
comprises a router for routing information to one of the first protocol stack and the
second protocol stack.
3. The system as claimed in claim 1, wherein the mode manager further
20 comprises a man machine interface manager for translating information between the first
air interface mode and the second air interface mode.
4. The system as claimed in claim 1, further comprising a bridge for
providing communication of information between the first protocol stack and the second
25 protocol stack.
5. The system as claimed in claim 1, further comprising a common database
for storage of user data utilized by the first and second protocol stacks, the user data
including at least one of an address book entry, a phonebook entry, a short message, an

email, a ringing tone, and a picture.

6. The system as claimed in claim 5, further comprising a call database for storing call related data by the first and second protocol stacks.

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7. The system as claimed in claim 1, wherein the first air interface standard comprises the Global System for Mobile communication (GSM) air interface standard and the second air interface standard comprises the Telecommunications Industry Association/Electronics Industry Alliance Interim Standard 136 (TIA/EIA-136) air interface standard.

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8. The system as claimed in claim 1, wherein the user interface, application layer, and mode manager are integrated with the first protocol stack.

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9. A system for controlling a mobile telephone, comprising:
a first protocol stack for supporting a first air interface standard providing a first functionality;
a second protocol stack for supporting a second air interface standard providing a second functionality;
a mode manager for managing switching of the system between a first mode utilizing the first air interface standard and a second mode utilizing the second air interface standard;
a user interface for communicating information and commands between the first and second protocol stacks and a user for controlling the mobile telephone; and
an application layer for reducing functional interface between the first and second protocol stacks to layers of the first and second protocol stacks subsequent to the user interface,
wherein control of the first and second functionalities is provided via a single man machine interface that is substantially consistent across the first and second

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modes.

10. The system as claimed in claim 9, wherein the mode manager further comprises a router for routing information to one of the first protocol stack and the second protocol stack.

11. The system as claimed in claim 9, wherein the mode manager further comprises a man machine interface manager for translating information between the first air interface standard and the second air interface standard.

12. The system as claimed in claim 9, further comprising a bridge for providing communication of information between the first protocol stack and the second protocol stack.

13. The system as claimed in claim 9, further comprising a database for storage of data by the first and second protocol stacks.

14. The system as claimed in claim 13, further comprising a call database for storing call related data by the first and second protocol stacks.

15. The system as claimed in claim 9, wherein the first air interface standard comprises the Global System for Mobile communication (GSM) air interface standard and the second air interface standard comprises the Telecommunications Industry Association/Electronics Industry Alliance Interim Standard 136 (TIA/EIA-136) air interface standard.

16. The system as claimed in claim 9, wherein the user interface, application layer, and mode manager are integrated with the first protocol stack.

17. A system for controlling a mobile telephone, comprising:
means for managing switching of the system between a first mode utilizing a first air
interface standard supported by a first protocol stack and a second mode utilizing
a second air interface standard supported by a second protocol stack;
5 means for communicating information and commands between the first and second
protocol stacks and a user for controlling the mobile telephone; and
means for reducing functional interface between the first and second protocol stacks to
layers of the first and second protocol stacks subsequent to the user interface,
wherein control of the mobile telephone is provided via a single man machine interface
10 that is substantially consistent across the first and second modes.

18. The system as claimed in claim 17, wherein the managing means further
comprises means for routing information to one of the first protocol stack and the second
protocol stack.
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19. The system as claimed in claim 17, wherein the managing means further
comprises means for translating information between the first air interface standard and
the second air interface standard.

20. The system as claimed in claim 17, further comprising means for
providing communication of information between the first protocol stack and the second
protocol stack.
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21. The system as claimed in claim 17, further comprising means for storing
25 user data utilized by the first and second protocol stacks, the user data including at least
one of an address book entry, a phonebook entry, a short message, an email, a ringing
tone, and a picture.

22. The system as claimed in claim 21, further comprising means for storing

call related data by the first and second protocol stacks.

23. The system as claimed in claim 17, wherein the first air interface standard comprises the Global System for Mobile communication (GSM) air interface standard and the second air interface standard comprises the Telecommunications Industry Association/Electronics Industry Alliance Interim Standard 136 (TIA/EIA-136) air interface standard.

24. A mobile telephone, comprising:
a hardware system including at least one chipset and a hardware interface for controlling the mobile telephone;
a software system, including:
a mode manager for managing switching between a first mode utilizing a first air interface standard supported by a first protocol stack and a second mode utilizing a second air interface standard supported by a second protocol stack, the first and second protocol stacks running on the at least one chipset;
a user interface for communicating information and commands between the first and second protocol stacks and a user via the hardware interface; and
an application layer for reducing functional interface between the first and second protocol stacks to layers of the first and second protocol stacks subsequent to the user interface,
wherein the user interface provides control of the mobile telephone via a single man machine interface that is substantially consistent across the first and second modes.

25. The mobile telephone as claimed in claim 24, wherein the mode manager further comprises a router for routing information to one of the first protocol stack and the second protocol stack.

26. The mobile telephone as claimed in claim 24, wherein the mode manager further comprises a man machine interface manager for translating information between the first air interface standard and the second air interface standard.

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27. The mobile telephone as claimed in claim 24, further comprising a bridge for providing communication of information between the first protocol stack and the second protocol stack, wherein the first protocol stack and the second protocol stack are run on separate chipsets.

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28. The mobile telephone as claimed in claim 24, further comprising a database for storage of data by the first and second protocol stacks.

29. The mobile telephone as claimed in claim 28, further comprising a call database for storing call related data by the first and second protocol stacks.

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30. The mobile telephone as claimed in claim 24, wherein the first air interface standard comprises the Global System for Mobile communication (GSM) air interface standard and the second air interface standard comprises the Telecommunications Industry Association/Electronics Industry Alliance Interim Standard 136 (TIA/EIA-136) air interface standard.

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31. The mobile telephone as claimed in claim 24, wherein the user interface, application layer, and mode manager are integrated with the first protocol stack.